

03040204-050
(Buck Swamp)

General Description

Watershed 03040204-050 is located in Dillon, Marlboro, and Marion Counties and consists primarily of **Buck Swamp** and its tributaries. The watershed occupies 97,539 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Smithboro-Persanti-Norfolk-Aycock series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 33.2% agricultural land, 26.7% forested land, 20.0% scrub/shrub, 18.1% forested wetland (swamp), land, 1.8% urban land, and 0.2% water.

Reedy Creek (Indigo Bay, Eli Branch, Old Mill Creek, Betsy Jackson Bay) and Little Reedy Creek (Hilson Bay) join to form the headwaters of Buck Swamp near the Town of Latta. Downstream of the confluence, Mill Creek enters the system followed by The Gully and Maidendown Swamp (Piney Bay, Maidendown Bay). The Buck Swamp Watershed drains into the Little Pee Dee River. There are a few ponds (totaling 47.0 acres) purposes in this watershed, and a total of 175.7 stream miles. Buck Swamp and Maidendown Swamp are classified FW* (dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5) and the remaining streams in the watershed are classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-031	S	FW*	BUCK SWAMP AT S-17-33
PD-349	W	FW*	BUCK SWAMP AT S-17-42

Buck Swamp - There are two monitoring sites along Buck Swamp (**PD-031, PD-349**). Aquatic life and recreational uses are fully supported at both sites. This is a blackwater system, characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions occurred at both sites, they were typical of values seen in blackwater systems and were considered natural, not standards violations. At the upstream site (**PD-031**), significant decreasing trends in five-day biochemical oxygen demand, turbidity, and fecal coliform bacteria concentration suggest improving conditions for these parameters.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

COMMENT

NPDES#

TYPE

LIMITATION

BUCK SWAMP

TOWN OF LATTA

PIPE #: 001 FLOW: 0.60

PIPE #: 001 FLOW: 1.0 (PROPOSED)

WQL FOR DO,TRC,NH3N,BOD5

SC0025402

MINOR DOMESTIC

WATER QUALITY

WATER QUALITY

MAIDENDOWN SWAMP

AVM, INC.

PIPE #: 001 FLOW: 0.210

WQL FOR DO,TRC,NH3N,BOD5

SCG250108

MINOR INDUSTRIAL

WATER QUALITY

Growth Potential

There is a low potential for growth in this watershed, which contains the Towns of Latta and Zion, and a portion of the City of Mullins. Commercial development is confined to the two municipalities and the interchange of I-95 and S.C. Hwy. 34. Public water service exists in and around the Town of Latta and in Mullins and the rural area north of Mullins. Public sewer is more limited, and includes only the municipal limits of Latta and Mullins and their very immediate surroundings. No major expansion of water or sewer coverage is anticipated.